

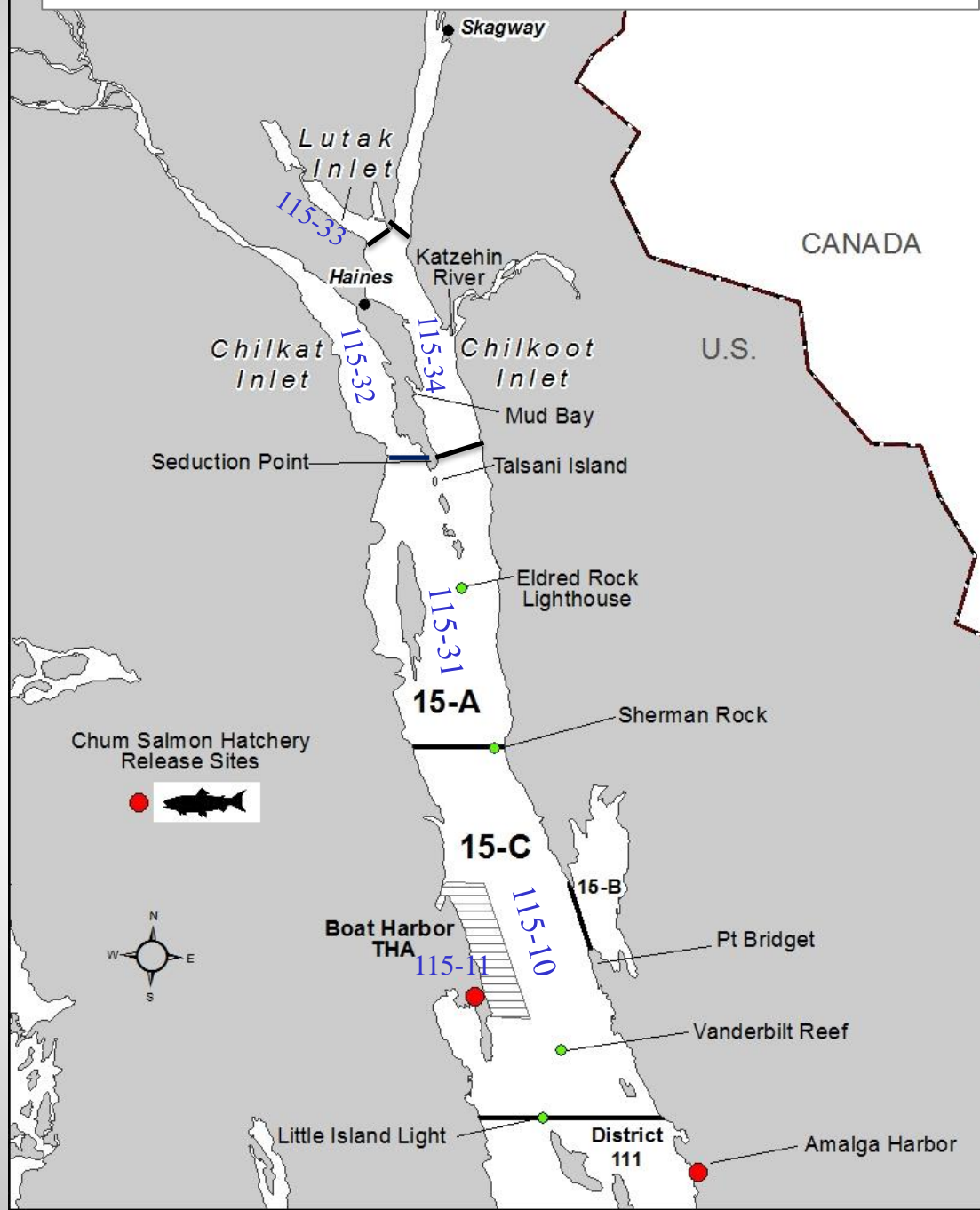
# 2019 Lynn Canal (District 15) Commercial Drift Gillnet Fishery Season Summary



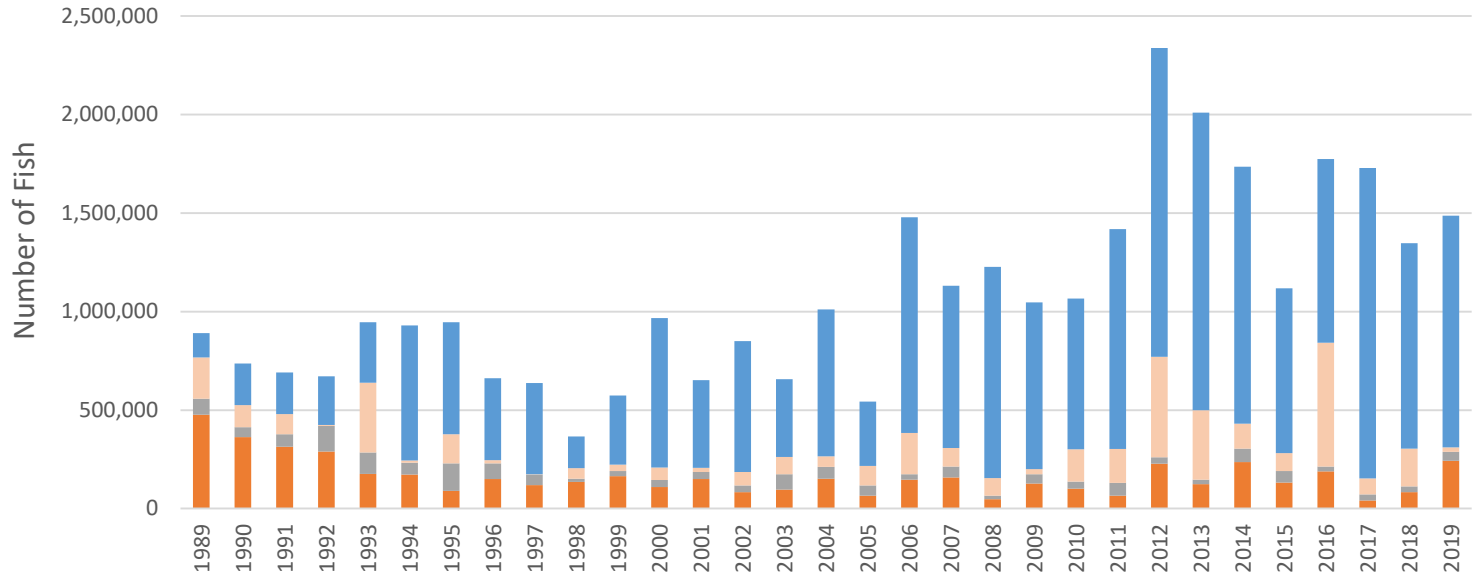
**Nicole Zeiser**  
**Haines Area Management Biologist**  
**Gillnet Task Force Meeting**  
**December 4, 2019**  
**Sitka, Alaska**



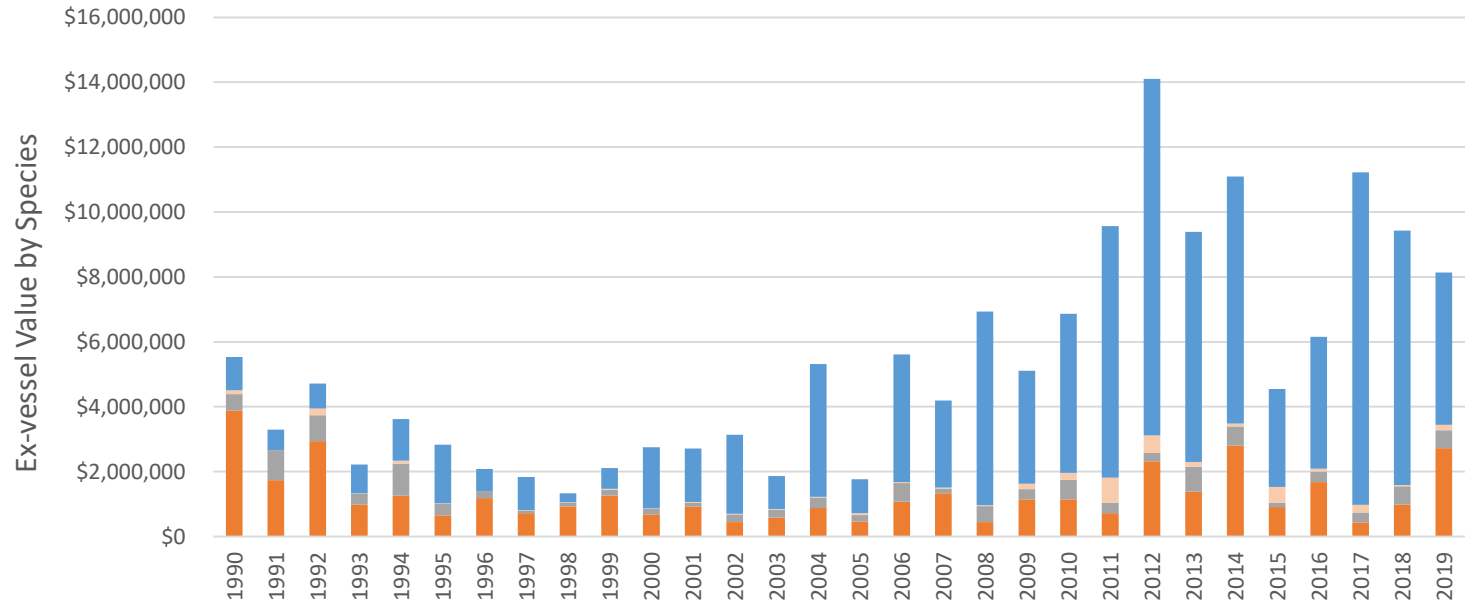
# Haines Management Area – Lynn Canal



## District 115 Historical Gillnet Salmon Harvest



## District 115 Historical Gillnet Salmon Ex-vessel Value



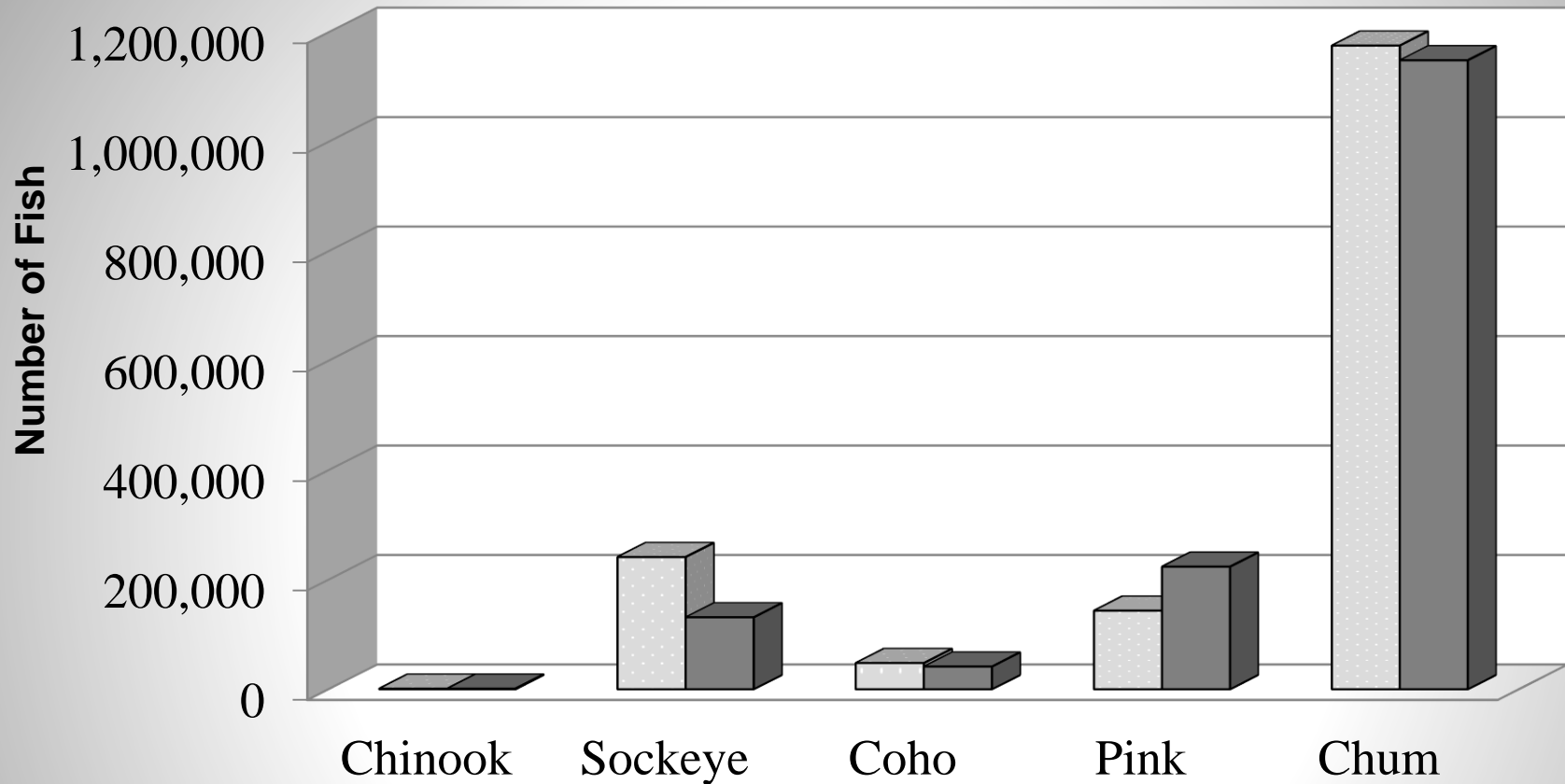
- Chum
- Pink
- Coho
- Sockeye
- Chinook

# 2019 District 15 Commercial Drift Gillnet Effort and Harvest

	Stat Week	Days Open			Boats	Boat Days	Chinook	Sockeye	Coho	Pink	Chum
		State Managed Fishery		Boat Harbor THA*							
		15A	15C								
	25	2	2	2	66	132	157	396	11	15	6,097
	26	2	2	2	105	210	132	1,819	53	582	38,003
	27	2	2	2	92	184	161	6,573	46	9,404	86,122
	28	2	3	4	118	236	196	10,573	59	24,160	196,464
Summer Management	29	2	4	5	136	272	216	18,540	61	15,857	482,698
	30	3	4	7	106	318	180	42,029	124	19,649	243,732
	31	6.5	3	7	36	234	29	69,841	23	26,817	38,023
	32	7	4	7	128	896	7	36,104	301	17,046	11,459
	33	7	4	7	170	1,190	10	33,072	1,789	20,212	8,464
	34	7	4	3	110	770	2	15,126	4,593	6,375	9,231
	35	7	5	4	95	665	2	6,289	11,909	3,176	13,892
	36	7	2	2	65	455	3	918	7,100	268	11,471
Fall Management	37	5	3	3	69	345	1	212	9,468	9	16,997
	38	4	3	3	60	240	0	34	8,367	1	10,178
	39	3	3	3	37	111	0	3	2,199	0	1,916
	40	4	4	4	25	100	0	4	1,638	0	1,222
	41	3	3	3	12	36	0	0	201	0	74
	42	Season Closed									
<b>Fishery Total</b>		<b>73.5</b>	<b>55</b>	<b>68</b>	<b>242</b>	<b>11,544</b>	<b>1,096</b>	<b>241,533</b>	<b>47,723</b>	<b>143,571</b>	<b>1,176,043</b>
<b>2009-2018 Average*</b>		51	45		223	9,114	1,137	131,461	41,435	223,931	1,149,248
<b>2019 % Average</b>		144%	122%		109%	127%	96%	184%	115%	64%	102%

\* Outside area of Boat Harbor THA. Inside waters of Boat Harbor open 7 days a week

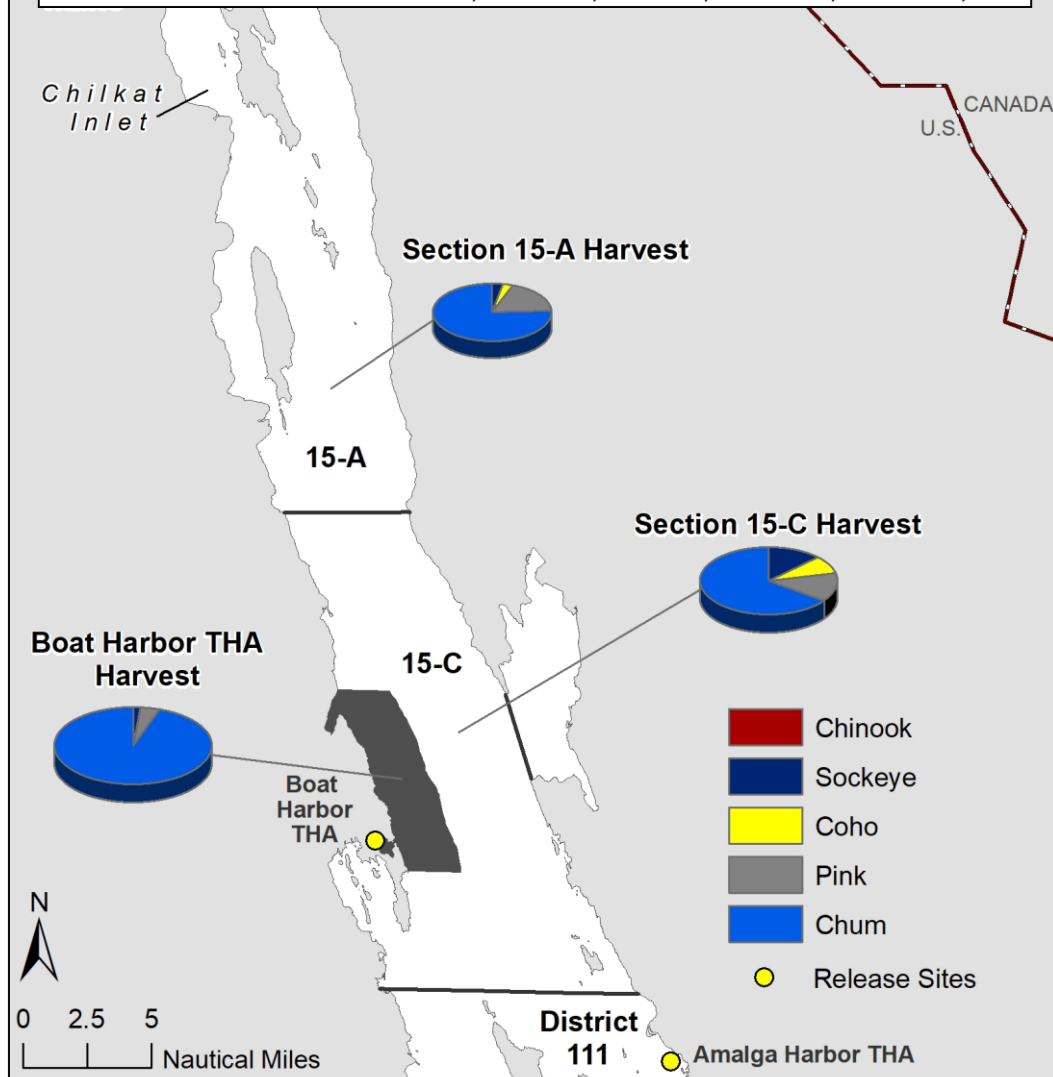
## 2019 Gillnet Harvest and 10-year Average



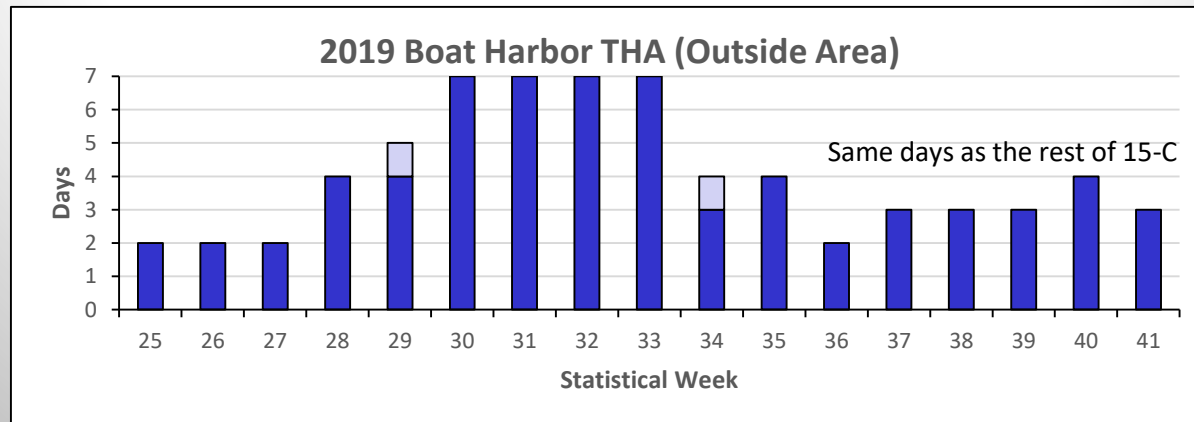
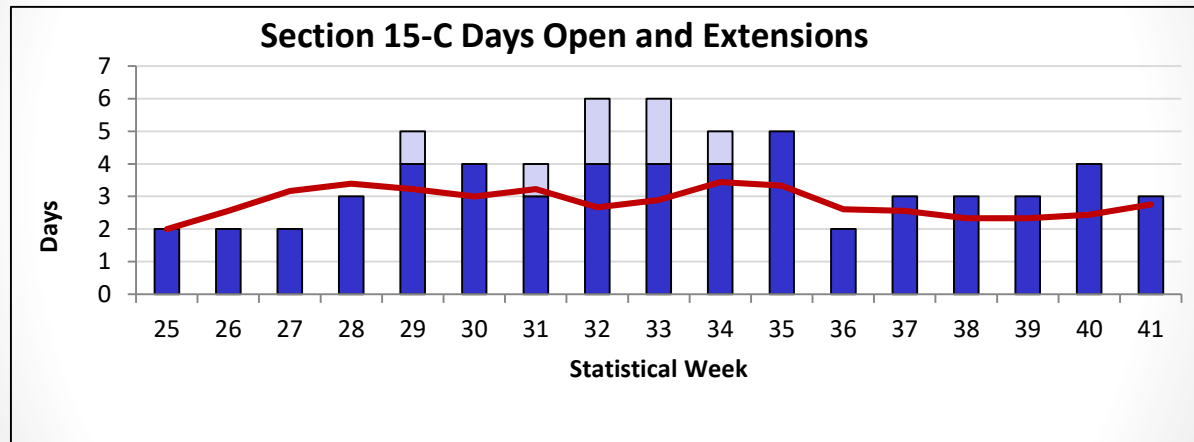
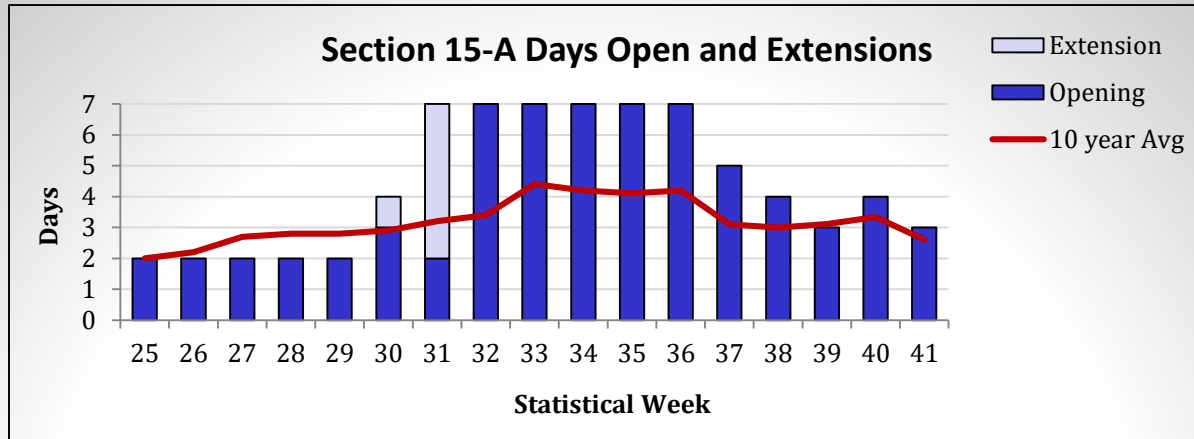
2019	1,096	241,533	47,942	143,571	1,176,045
10-year Average	1,137	131,461	41,435	223,931	1,149,248

# 2019 Harvest by Fishing Area

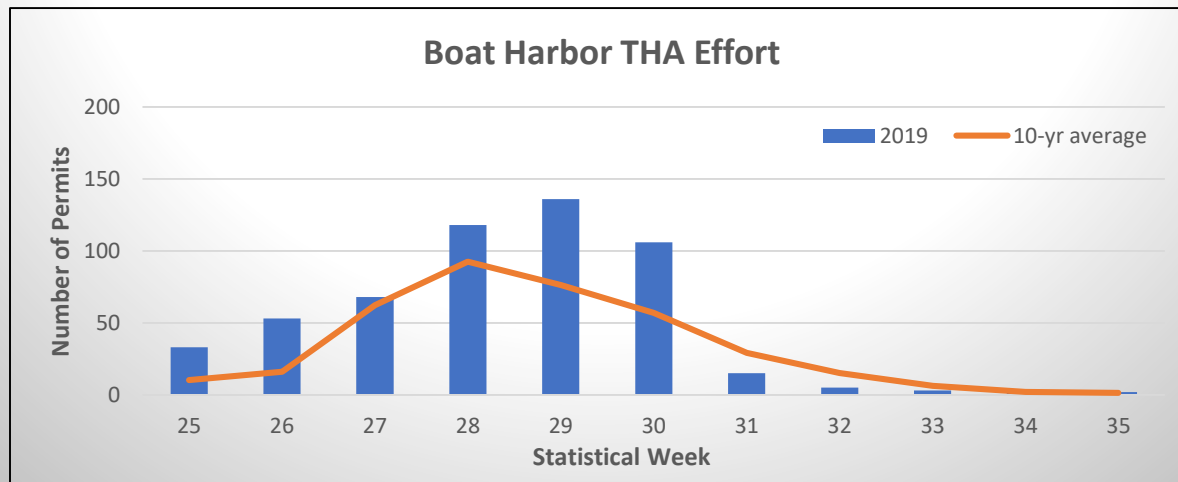
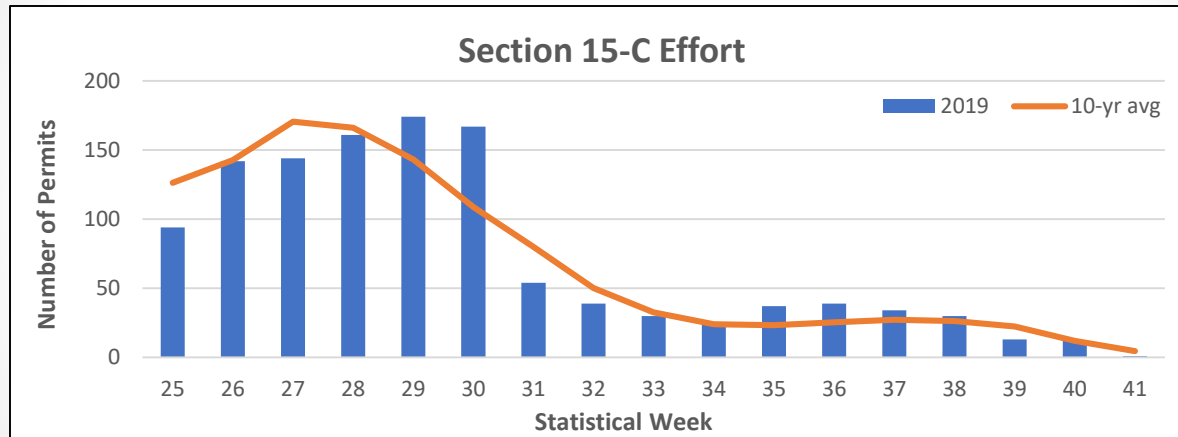
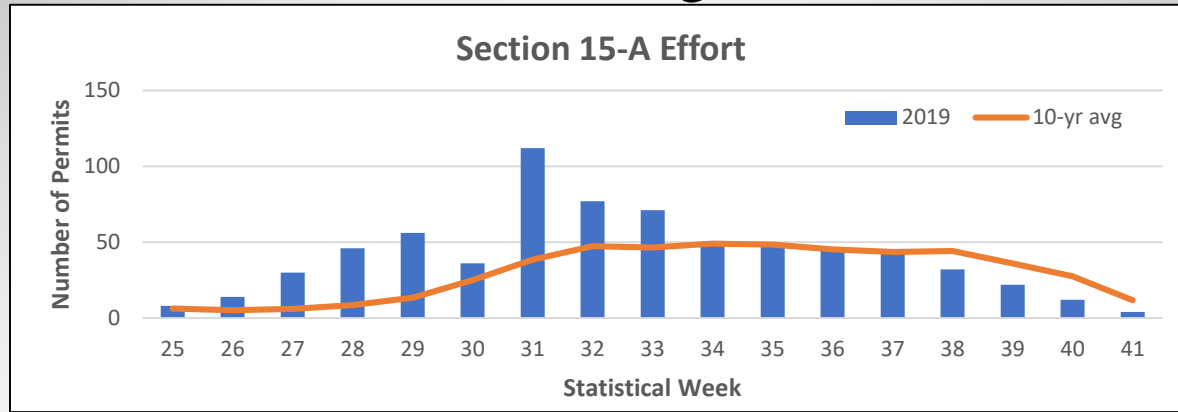
Fishing Area	Chinook	Sockeye	Coho	Pink	Chum	Total Harvest
Section 15-A	35	15,491	12,974	61,429	280,633	370,562
Boat Harbor THA	121	13,479	307	33,126	568,240	615,273
Section 15-C	940	73,463	34,661	49,016	327,172	485,252



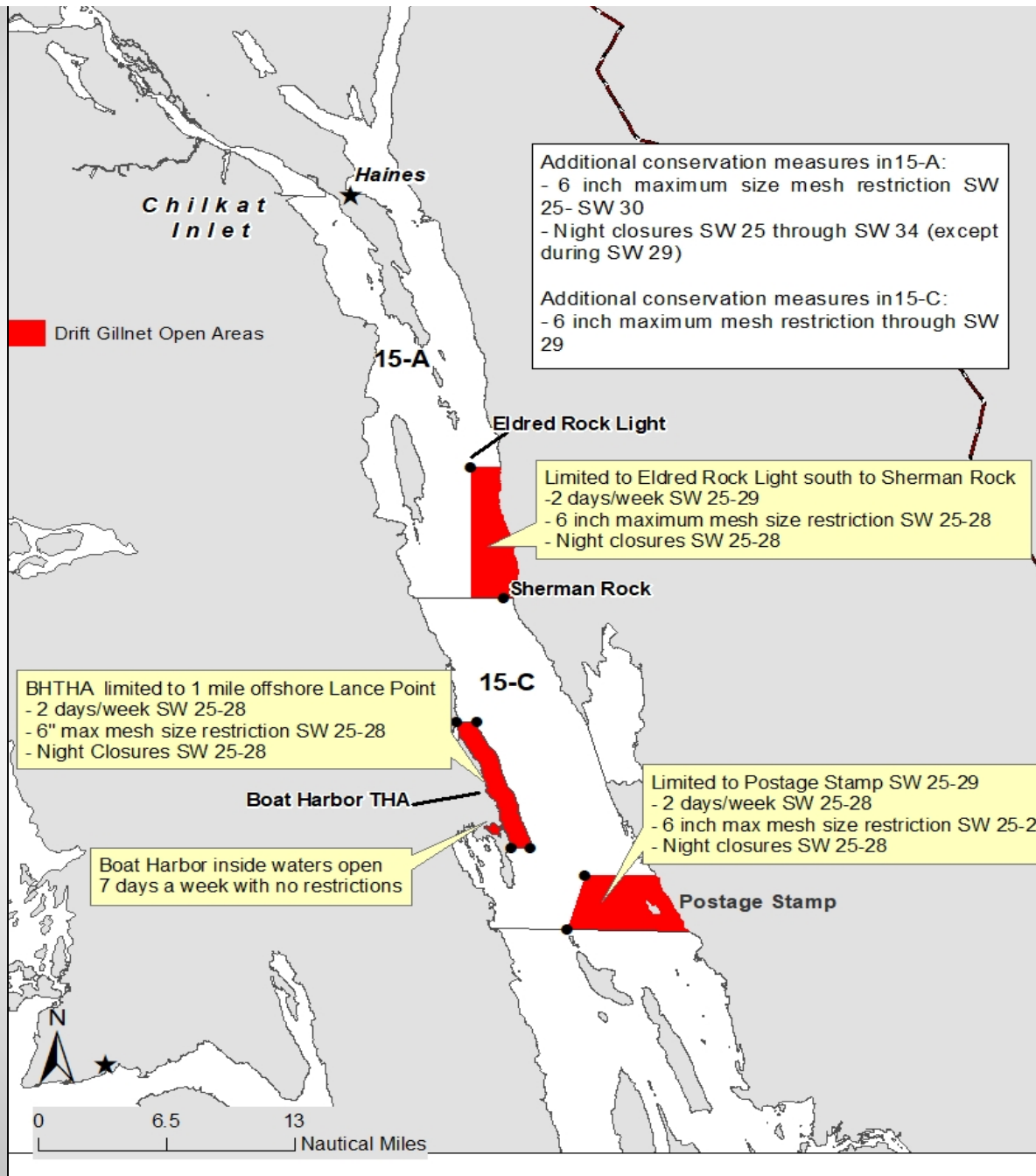
# 2019 Fishing Time



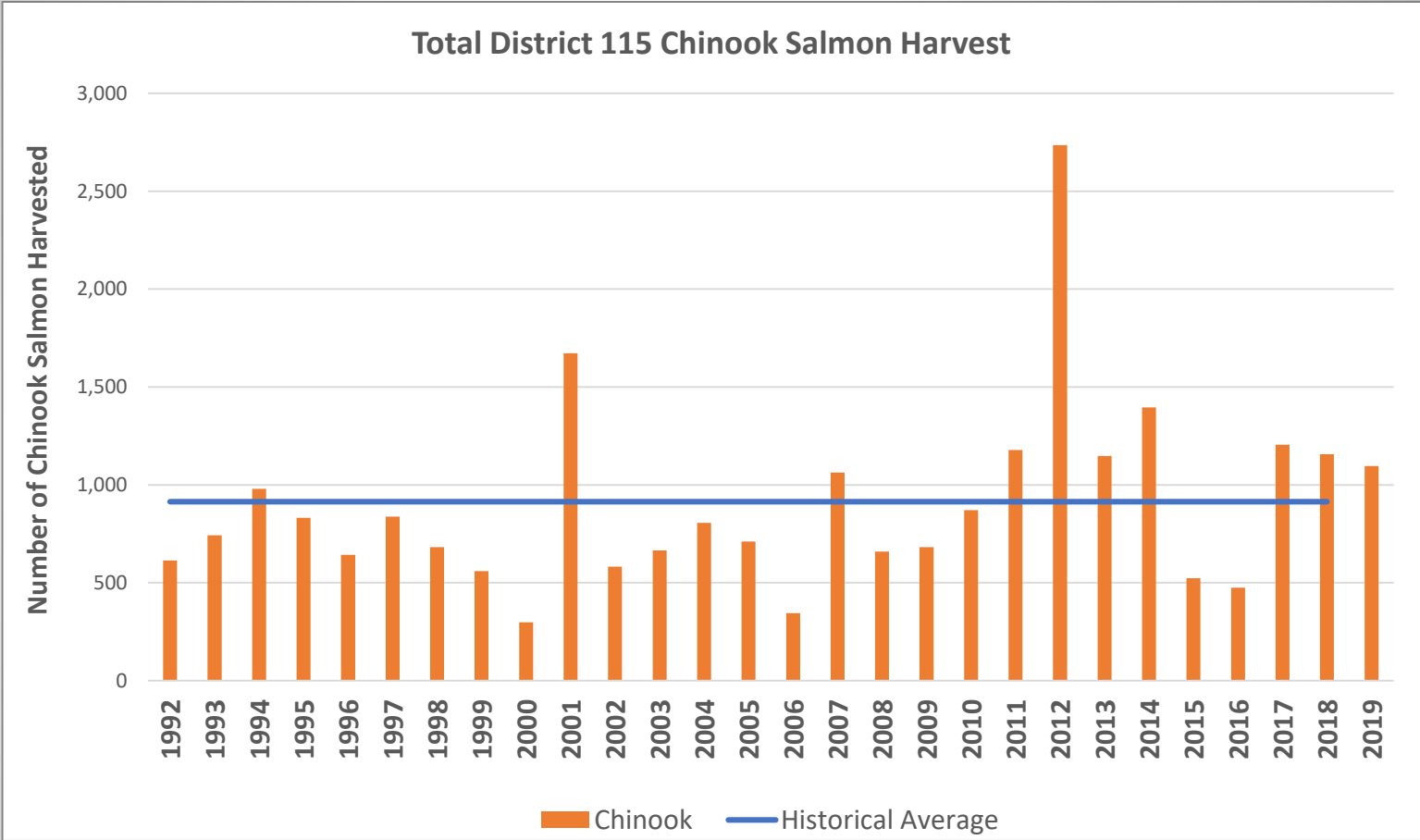
# 2019 Fishing Effort



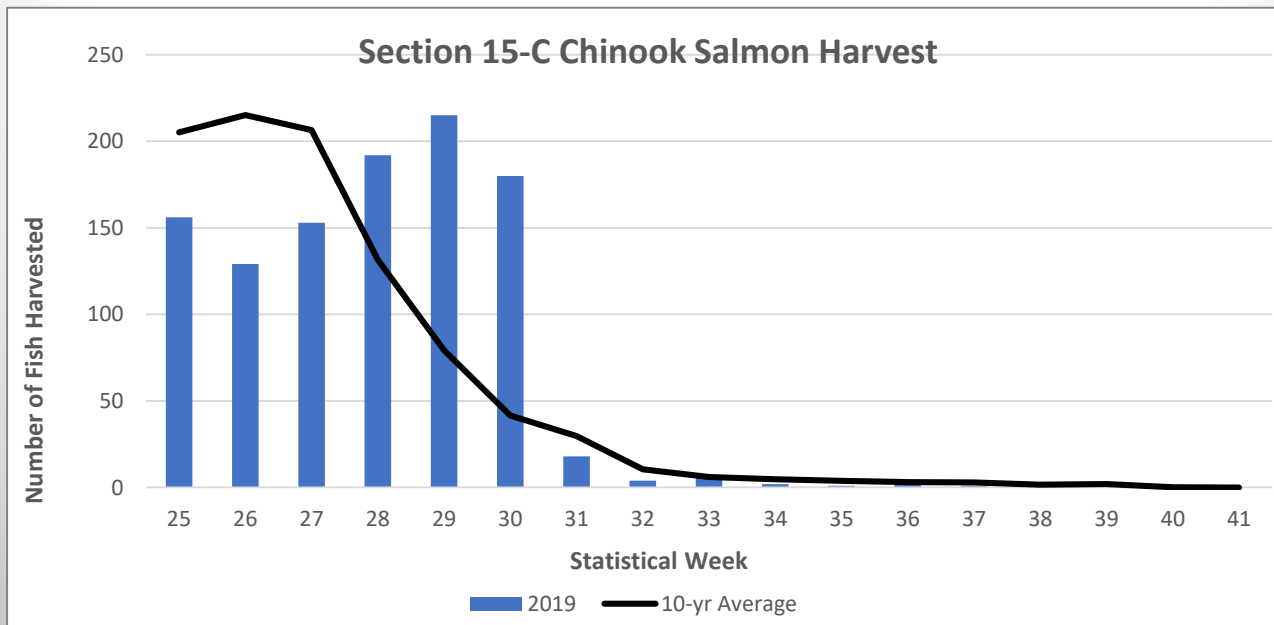
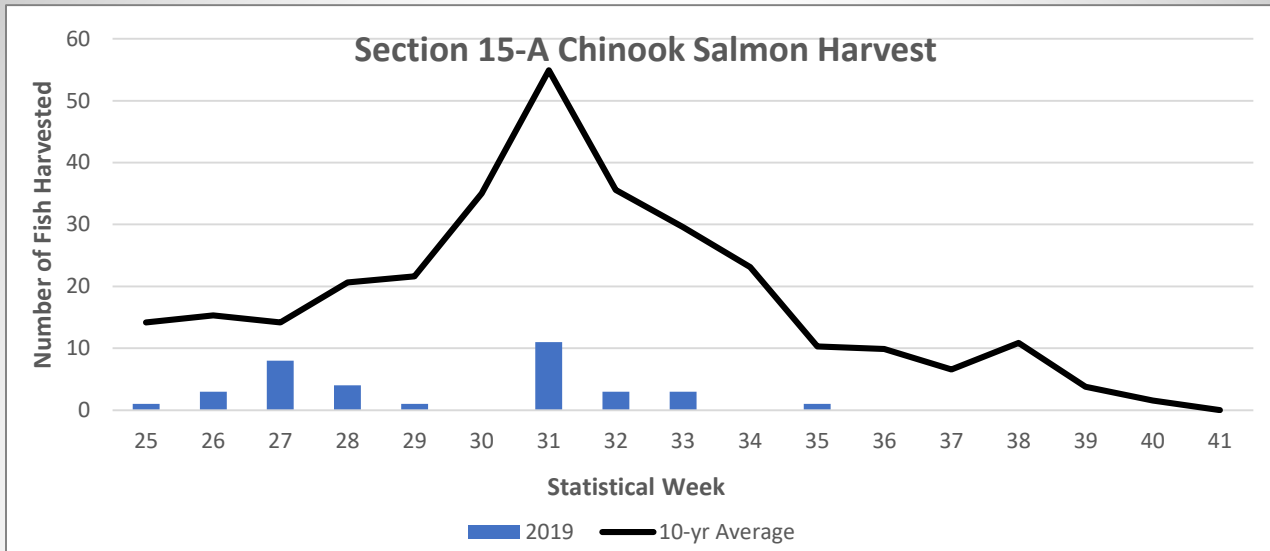
# 2019 Chinook Salmon Management Restrictions



# District 115 Historical Chinook Salmon Harvest



# 2019 Drift Gillnet Chinook Salmon Harvest



# 2019 District 115 Chinook Salmon Stock Composition

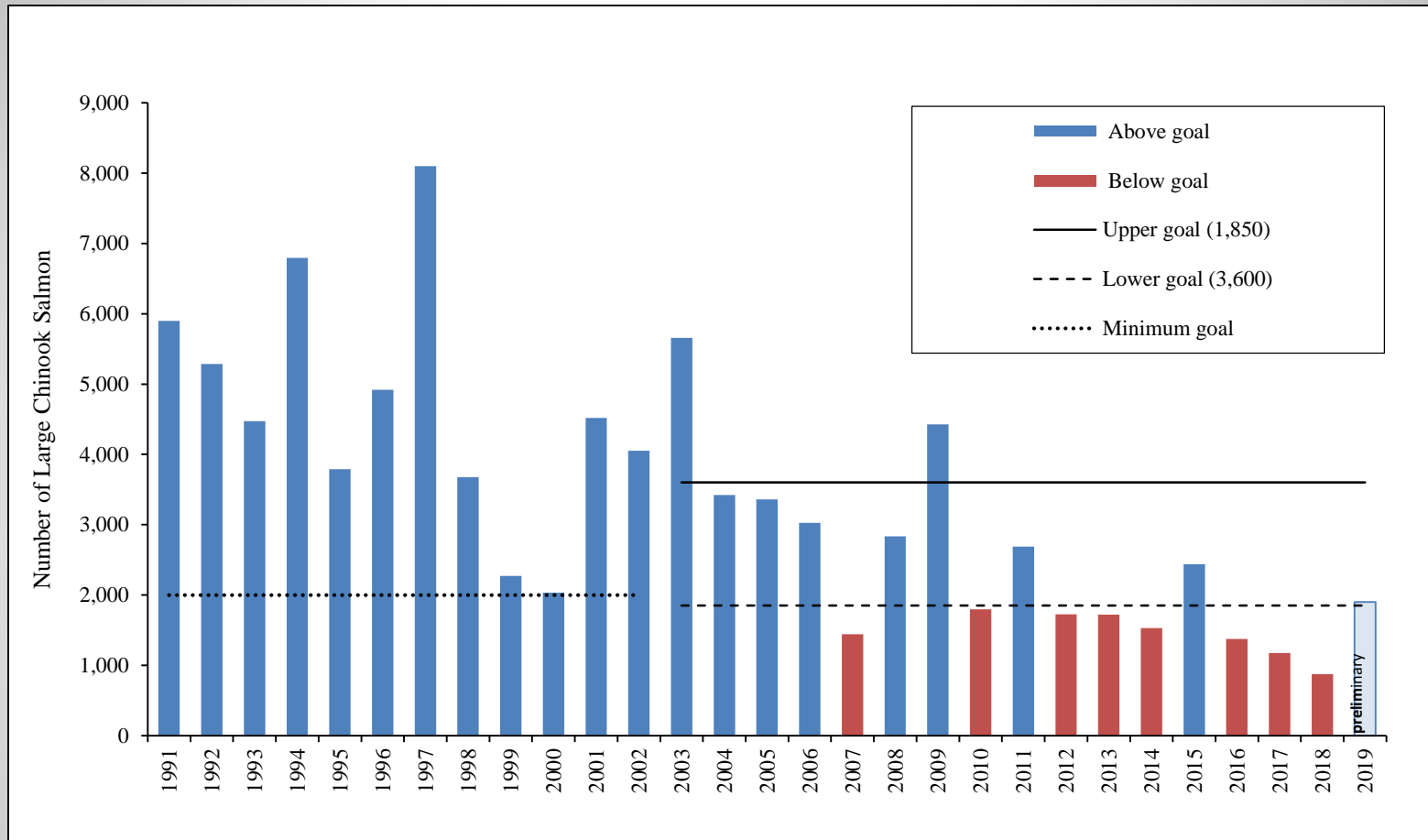
## GSI-estimated harvest by stock composition SW25-29\*:

	mean%	harvest est.
DIPAC	85.0%	733
Chilkat	6.2%	53
Taku	2.9%	25
SSEAK	1.7%	15
Stikine	1.7%	15
Other	2.5%	22
TOTAL HARVEST SW25-29		862

\*Genetic sampling occurred during SWs 25-29 only

\*253 fish were collected and 194 successfully genotyped

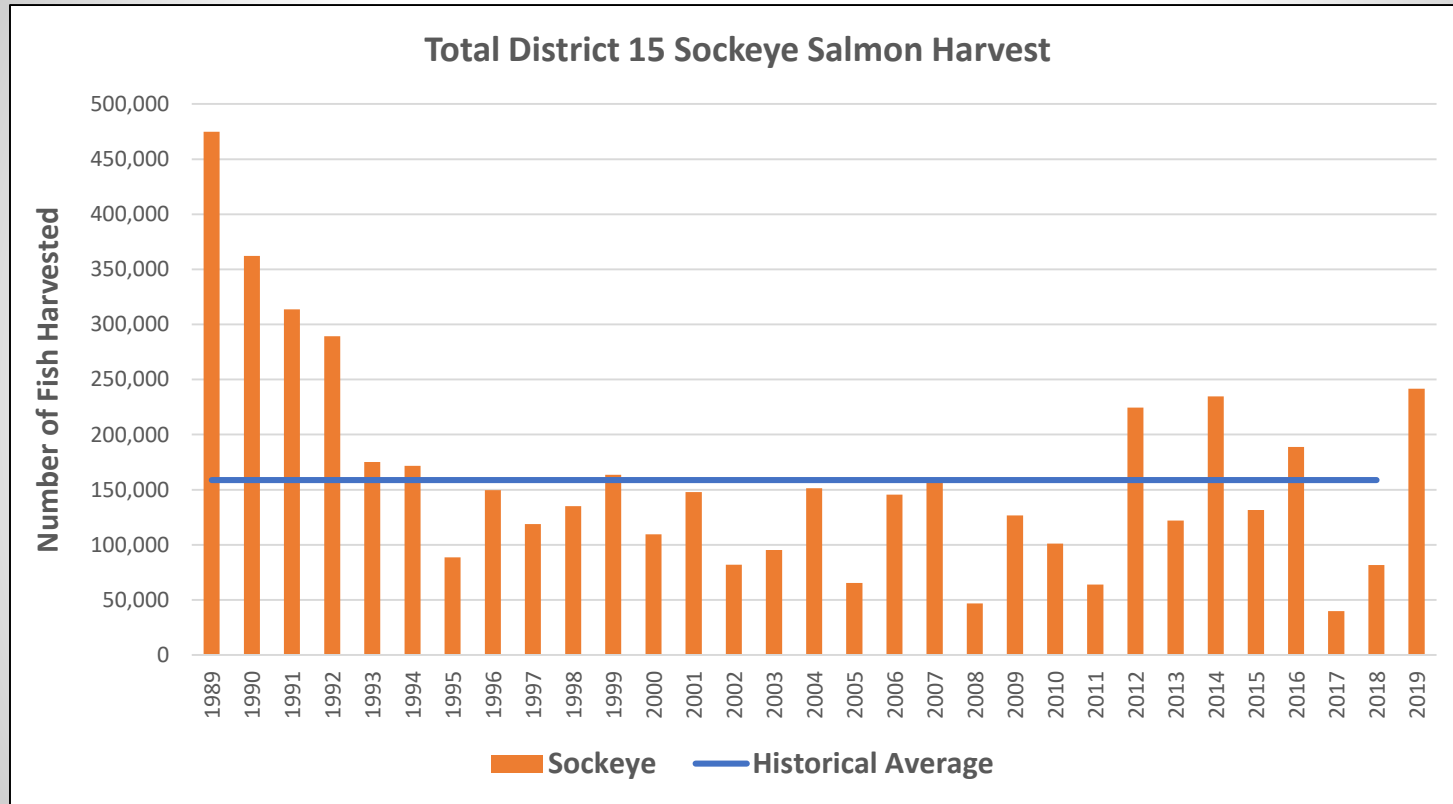
# Historical Chilkat River Chinook Salmon Inriver Abundance



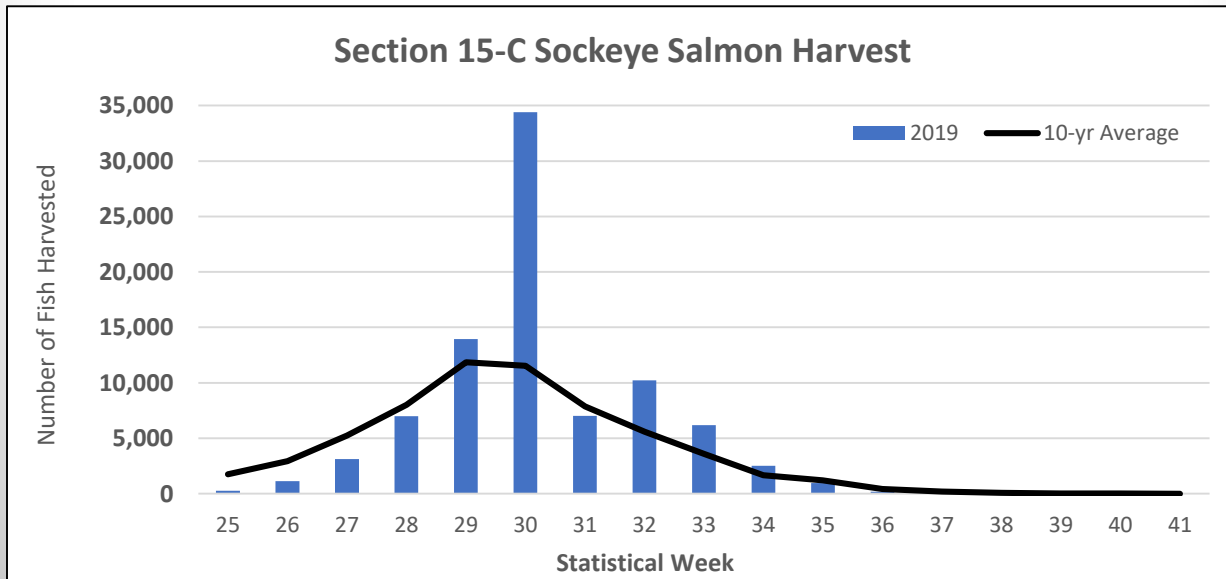
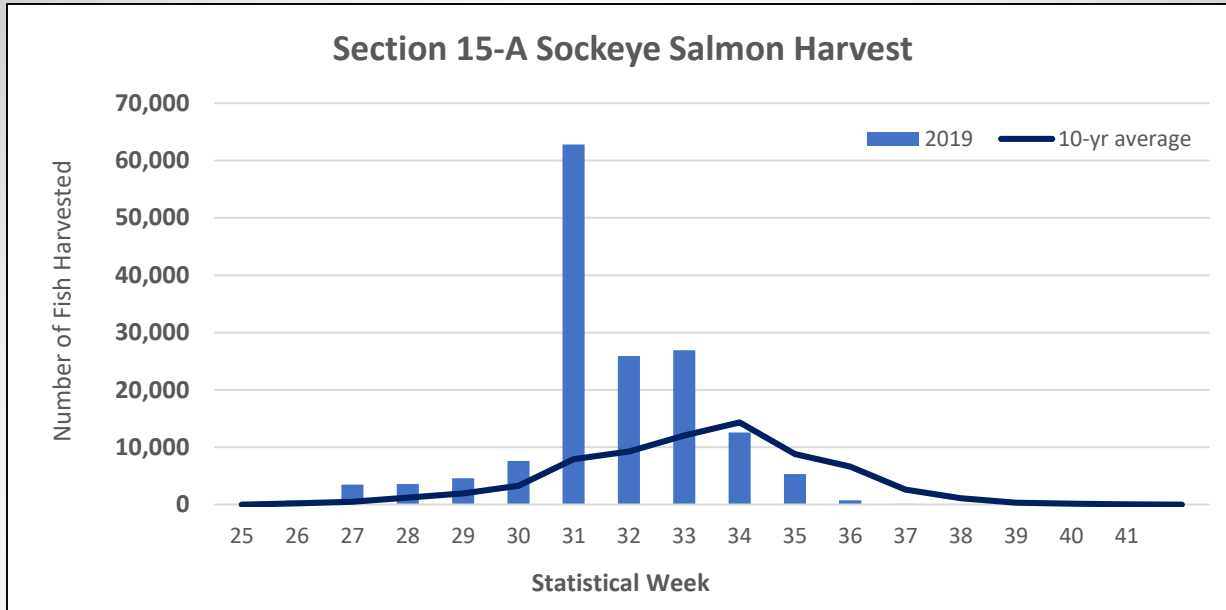
## 2019 Chilkat River Large Chinook Salmon Total Run

- 2019 Preseason total run forecast: 1,000 large fish
- Preliminary Inriver run estimate: 2,028 large fish
- Inriver run Goal: 1,850 – 3,600 large fish

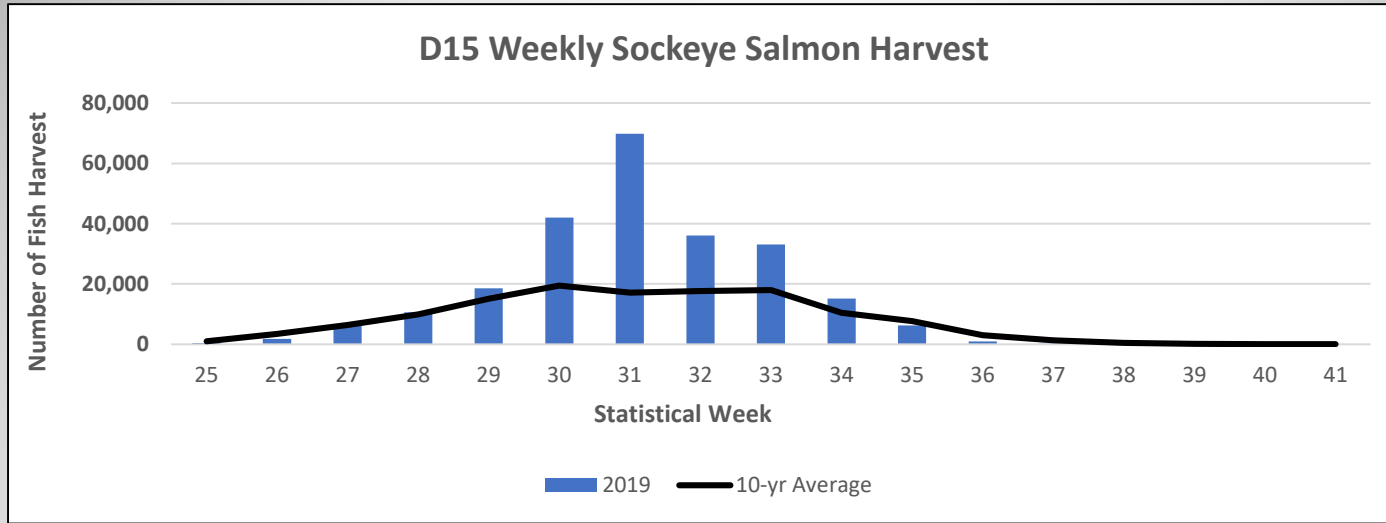
# District 115 Historical Sockeye Salmon Harvest



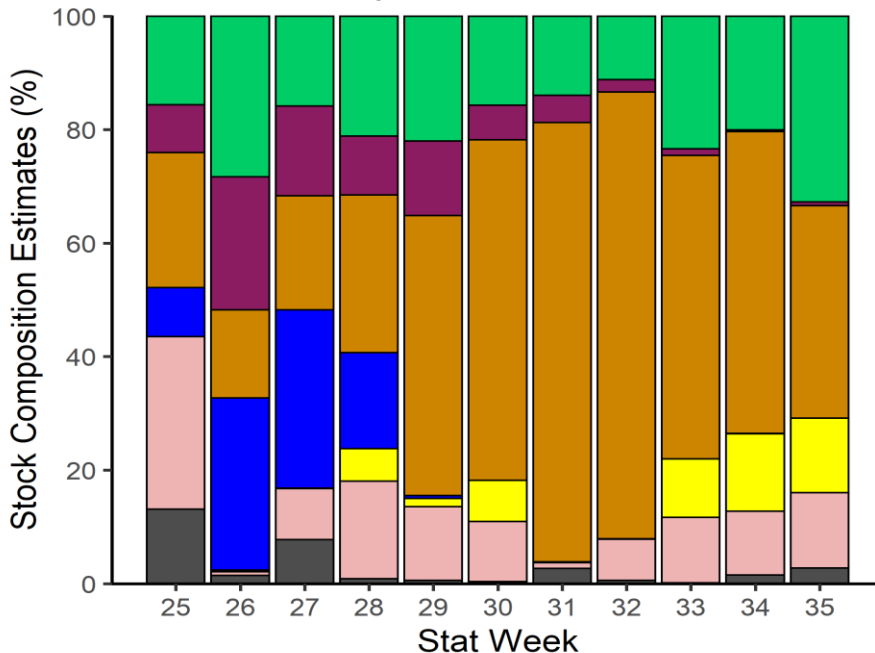
# 2019 Sockeye Salmon Harvest



# Weekly Sockeye Salmon Harvest and Stock Composition



### Comparison of Weekly Stock Composition Estimates



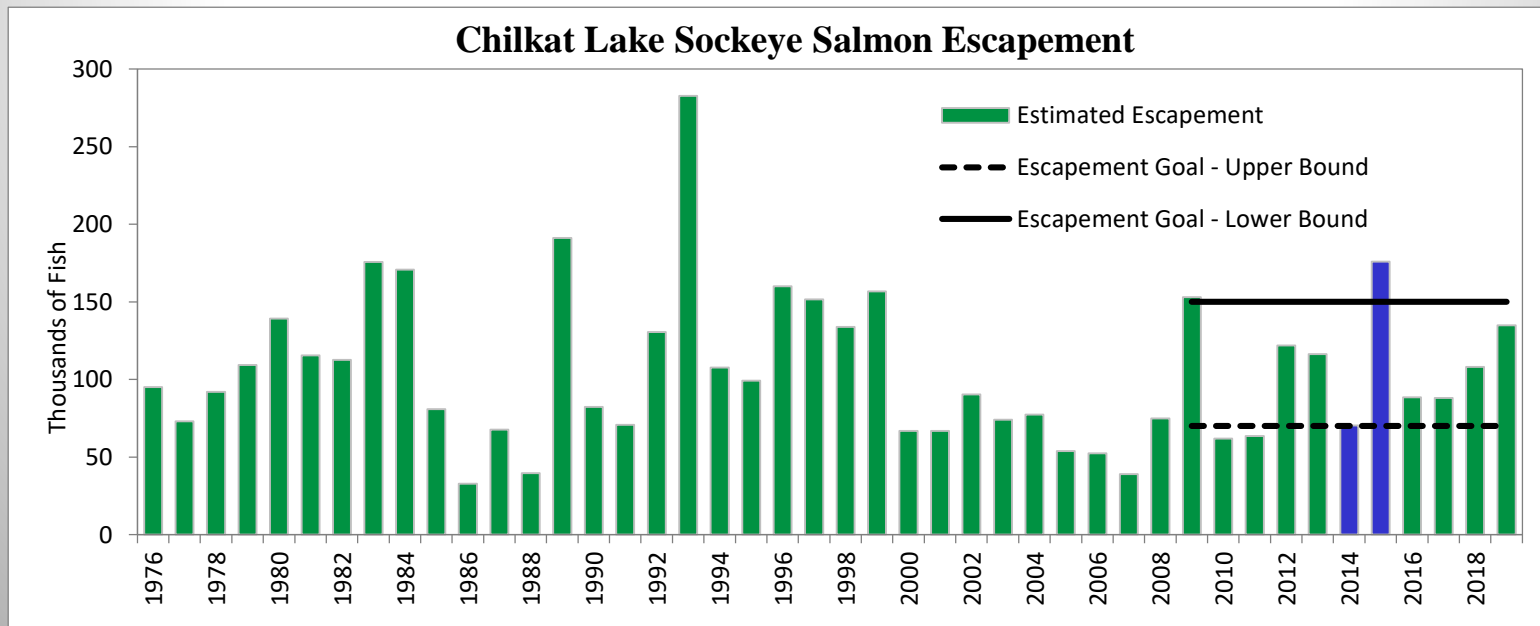
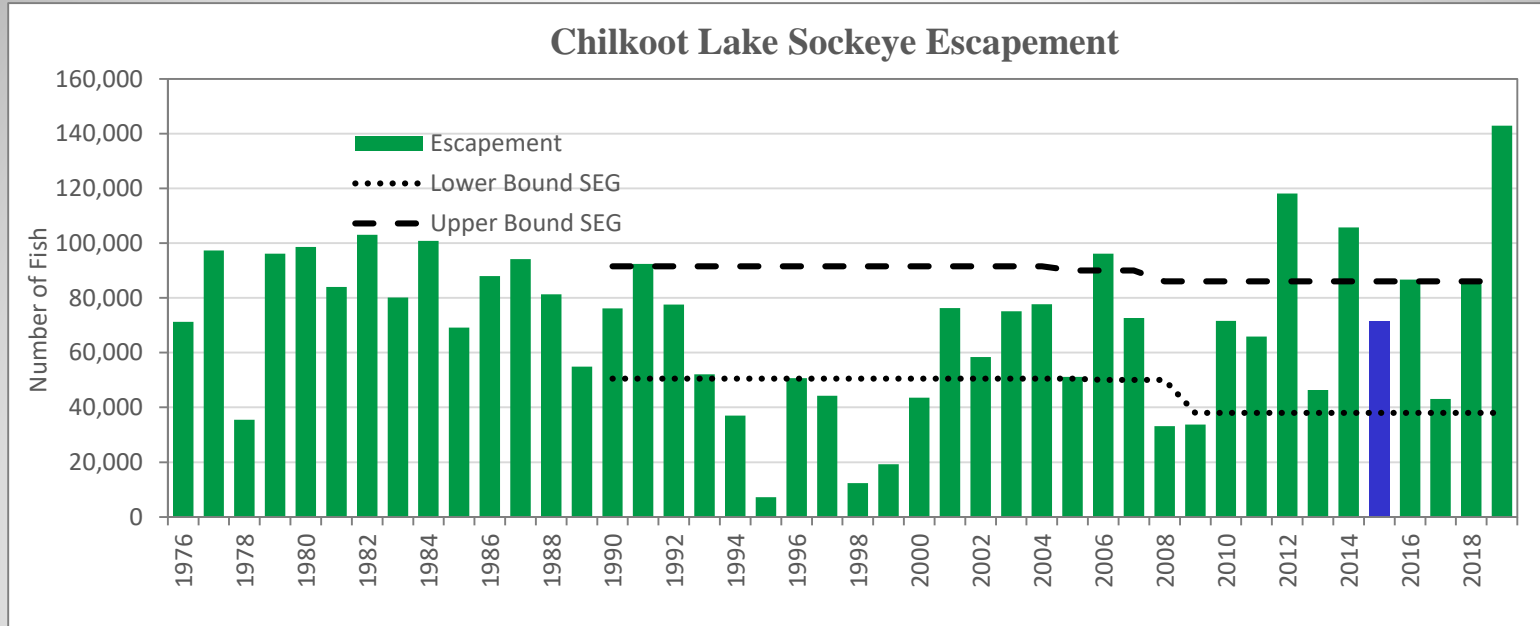
### Reporting Group

- Chilkat Lake
- Chilkat Mainstem
- Chilkoot
- Juneau Mainland
- Snettisham
- Taku River
- Stikine Mainstem
- Other

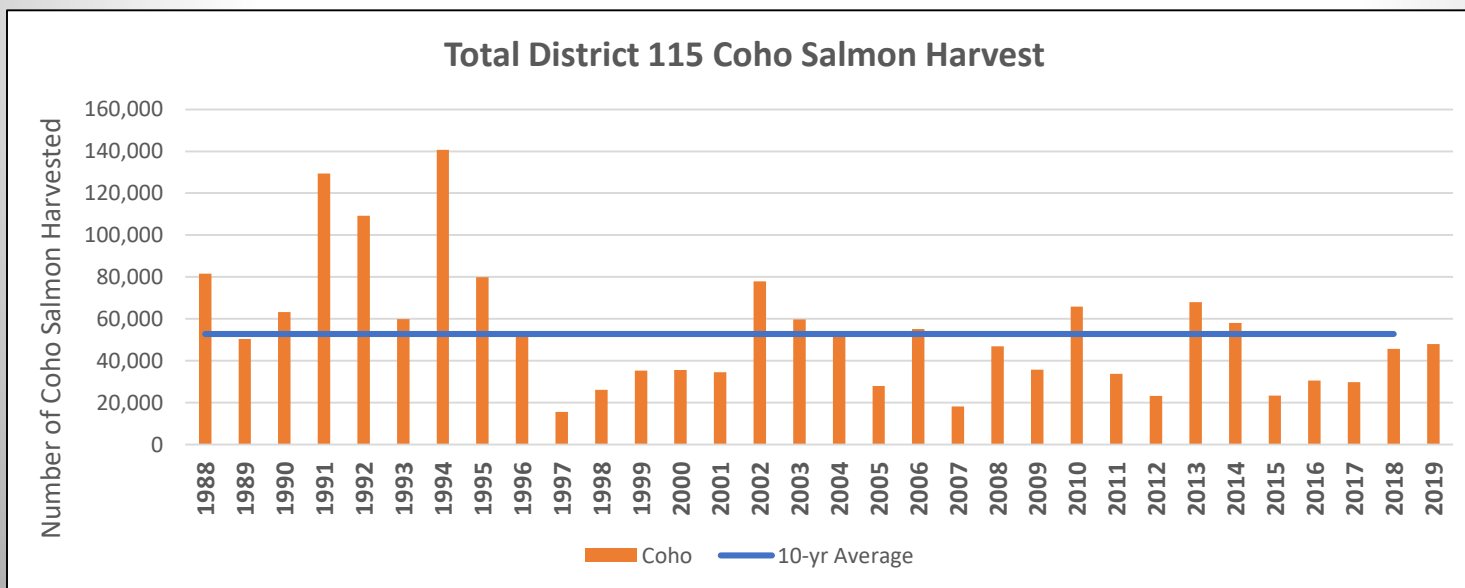
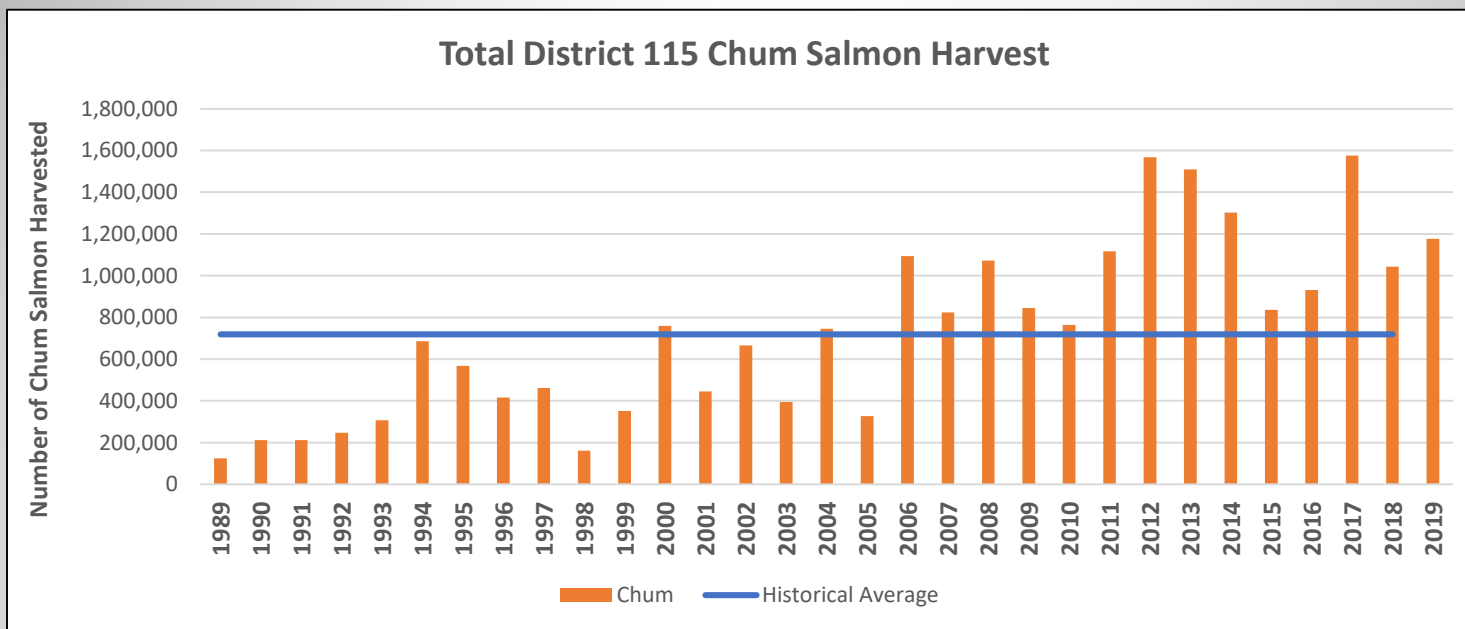
### 2019

Reporting Group	# of Fish
Chilkat Lake	41,104
Chilkat Mainstem	12,110
Chilkoot	149,135
Juneau Mainland	4,503
Snettisham	110,327
Taku River	19,230
Stikine Mainstem	19,230
Other	3,706

# Sockeye Salmon Escapement

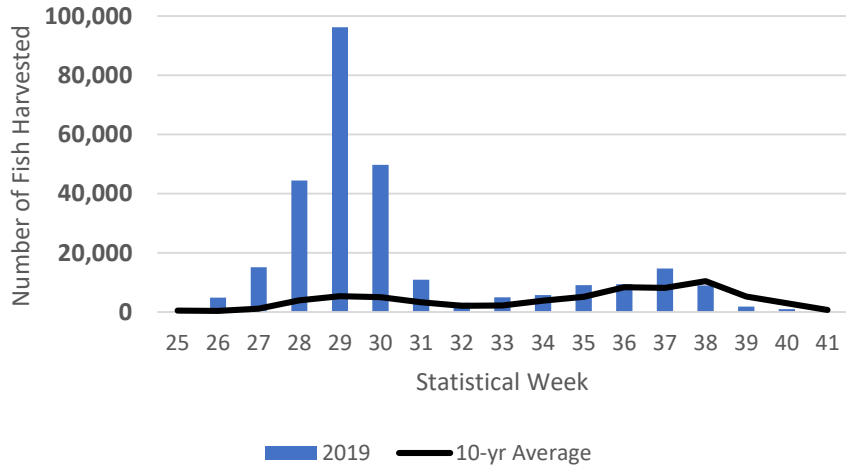


# Historical Chum and Coho Salmon Harvest

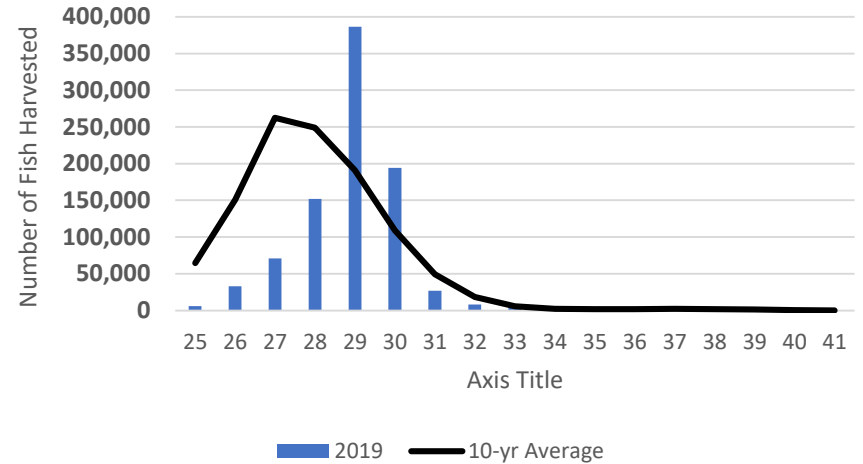


# 2019 Chum Salmon Harvest

## Section 15-A

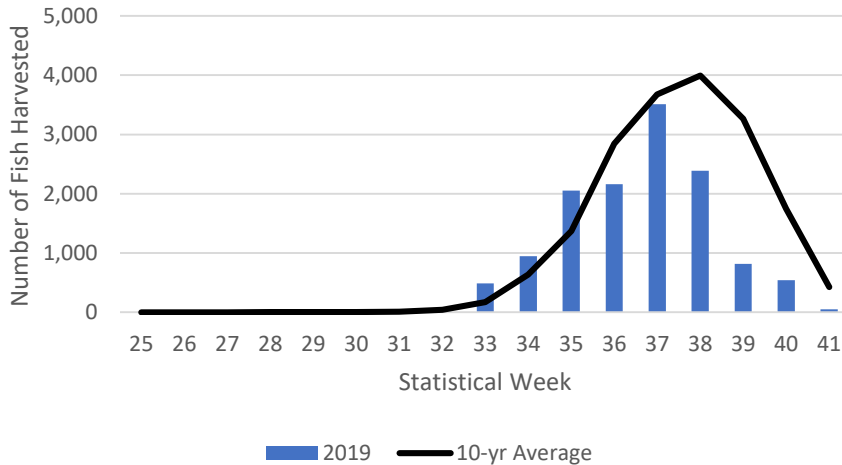


## Section 15-C

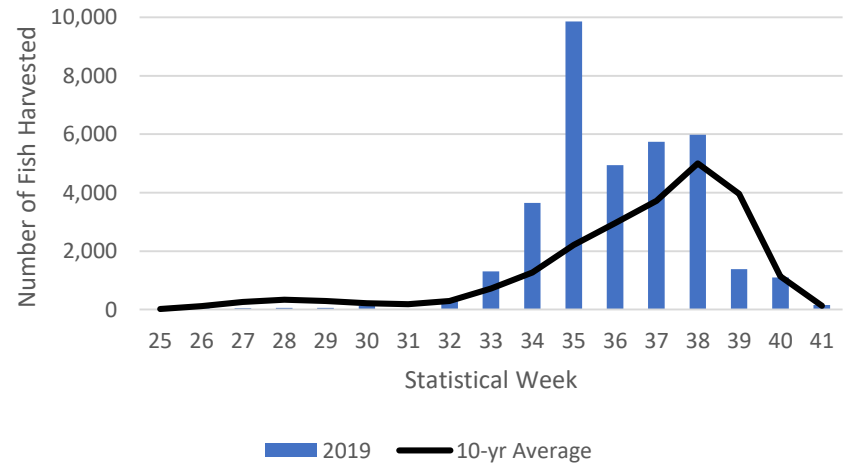


# 2019 Coho Salmon Harvest

## Section 15-A

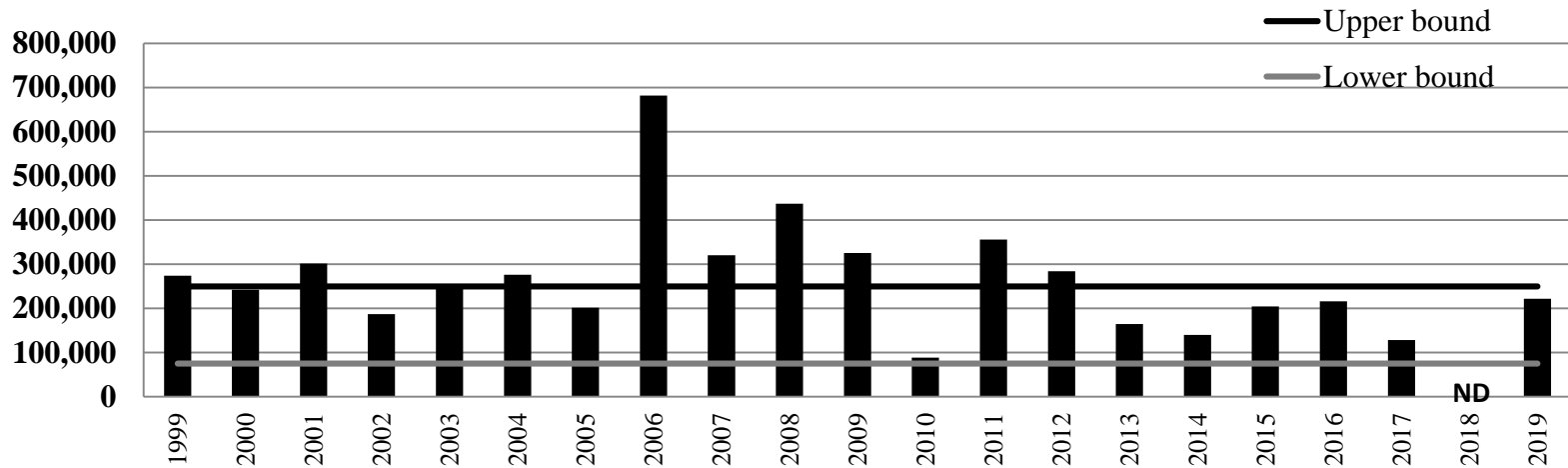


## Section 15-C

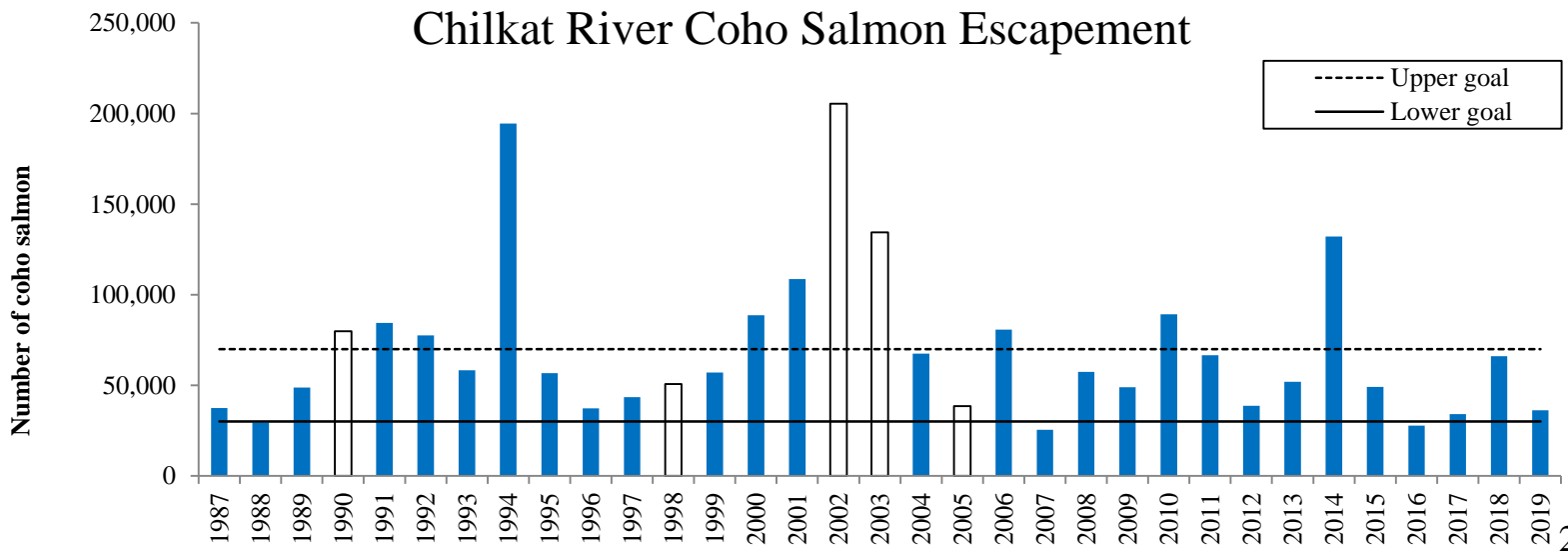


# Chilkat River Chum and Coho Escapement

## Chilkat River Chum Salmon Fish Wheel Counts



## Chilkat River Coho Salmon Escapement



Estimates from mark-recapture studies (hollow bars) and expanded from index counts (filled bars)

# 2020 Chilkat River Large Chinook Salmon Total Run Forecast

- Preliminary ADFG 2020 Chilkat River large Chinook salmon Forecast: **1,550 (below goal)**
- Inriver Run Goal: 1,850 – 3,600 fish

## 2020 Chilkoot Lake Sockeye Salmon Expectations

- 5-year old fish account for 76% of run over the past 10 brood years.
  - **2015 parent year escapement = 72,000 fish** (within goal range of 38,000–86,000 and major component of 2020 run).
  - 2016 rearing fry population estimate = 1.3 million (40% above average)
  - 2016 zooplankton biomass estimate = 180% above average
- **2020 projection = ~200,000 – 250,000 fish**

## 2020 Chilkat Lake Sockeye Salmon Expectations

- 5-year old fish account for 60% of return and 6-year old fish account for 35% of return over the past 10 brood years.
  - **2014 escapement** (parent year for 6-yr old fish) = ~**70,000 fish**, just met lower end of escapement goal of 70,000–150,000 fish.
  - **2015 escapement** (parent year for 5-yr old fish) = **176,000 fish** -exceeded esc. goal (largest escapement since early 1990s, **major component of 2020 run**).
- **2020 projection = ~80,000 – 130,000 fish**



Questions?